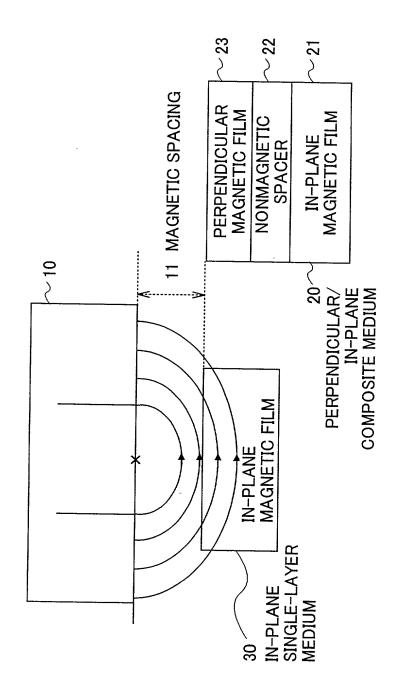


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	THICKNESS DIAMETER (nm)	PARTICLE DIAMETER (nm)	EXCHANGE INTERACTION PARDMETER he
IN-PLANE SINGLE-LAYER MEDIUM	10		
PERPENDICULAR/ IN-PLANE SOMPOSITE MEDIUM	1/1/10	က	0.05

* IN THE ORDER OF PERPENDICULAR MAGNETIC FILM, NONMAGNETIC SPACER, AND IN-PLANE MAGNETIC FILM.

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	PE M/	PERPENDICULAR MAGNETIC FILM	JLAR ILM	-NI AM	IN-PLANE MAGNETIC FILM	ILM	,	
	(emu/cc)	Hk (k0e)	tBr (Gum)	Ms (emu/cc)	(kOe)	tBr (Gum)	>%	TRANSITION BREADTH πa(%)
IN-PLANE SINGLE-LAYER MEDIUM				C			%0	%0
PERPENDICULAR/	250	8	3.1	nnc	4	4/.1	-1.6%	-0.4%
COMPOSITE MEDIUM	500	œ	6.3				-16.0%	7.9%

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EXCHANGE INTERACTION PARDMETER he		0.05
THICKNESS DIAMETER (nm)		က
THICKNESS (nm)	9	1/1/6*
	IN-PLANE SINGLE-LAYER MEDIUM	PERPENDICULAR/ IN-PLANE COMPOSITE MEDIUM

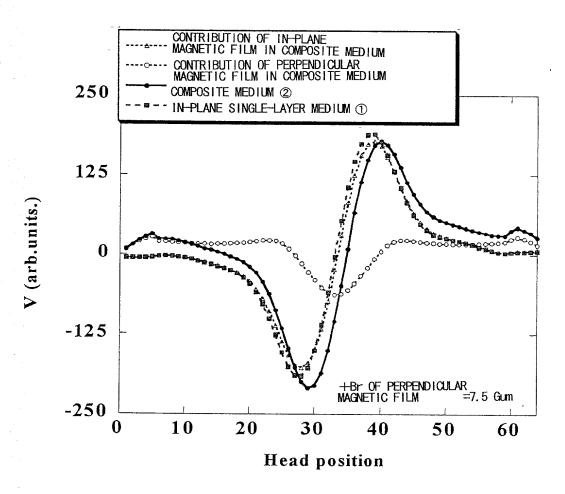
* IN THE ORDER OF PERPENDICULAR MAGNETIC FILM, NONMAGNETIC SPACER, AND IN-PLANE MAGNETIC FILM.

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		PEF	PERPENDICULAR MAGNETIC FILM	LAR	-NI AM	IN-PLANE MAGNETIC FILM	LΜ	Output@ 460kfci		S/N@460kfci
		Ms (emu/cc)	H (k0e)	tBr (Gum)	Ms (emu/cc)	(kOe)	tBr (Gum)	>%	S/Nm (dB)	DIFFERENTIAL (dB)
IN-PLANE SINGLE-LAYER MEDIUM	Θ							%0.0	13.9	0.0
	0	009	22	7.5				-1.0%	14.8	6.0+
PERPENDICULAR/	ම	200	18	2.5	009	12.6	56.5	-6.3%	15.1	+1.2
COMPOSITE MEDIUM	a	200	15	2.5				-3.6%	14.2	+0.3
	Ð	200	10	2.5		,		2.5%	14.2	+0.3

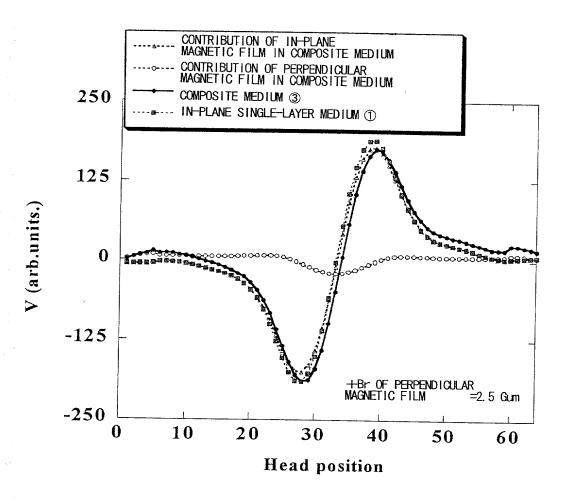
FIG. 6A



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FIG. 6B



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Hk OF PERPENDICULAR MEGNETIC FILM (k0e)	17.5	18.0	18.0
Ms OF PERPENDICULAR MAGNETIC FILM (emu/cc)	200	200	200
Hk OF IN-PLANE MAGNETIC FILM (kOe)	12.6	12.6	12.6
Ms OF IN-PLANE MAGNETIC FILM (emu/cc)	009	009	009
RECORDING HEAD MAGNETIC FIELD AT THE CENTER OF THE MEDIUM (kOe)	7.1	7.5	8.5

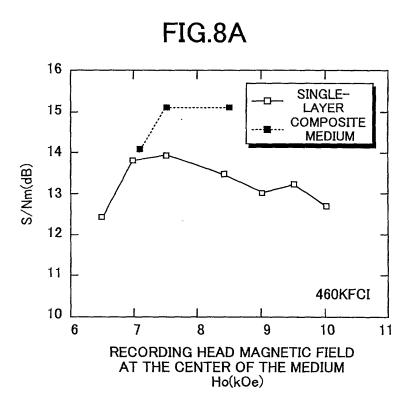
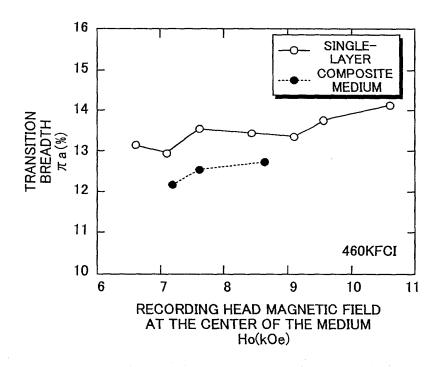


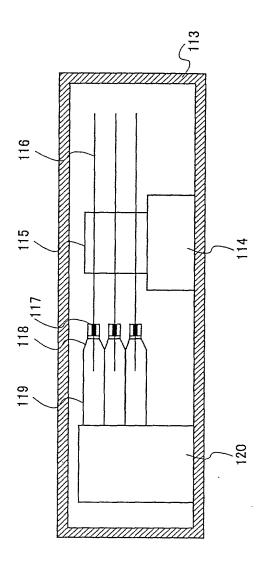
FIG.8B



F1G. 9

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Pr. Real from the Real Street



F1G. 10

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